

WHAT IS CLAIMED IS:

1. A CAD system utilizing a network comprising:

a server computer connected to a network; and

at least one client computer performing data transmission to said server computer via said network, wherein base data of graphic data for CAD is transmitted from said server computer to said client computer according to a request from said client computer, said server computer comprising: storage means for storing base data of said graphic data; and a program data transmitting section for reading the base data of said graphic data from said storage means according to the request from said client computer and transmit the data to said client computer, said client computer comprising: a program data receiving section for receiving base data of said graphic data; a computing section for producing graphic data based on the base data of said graphic data; and a CAD graphic data producing section for preparing display data capable of being displayed on a graphic display unit in said client computer.

2. A CAD system utilizing a network as claimed in claim 1, wherein the data of said graphic data comprises a plurality of variable programs for drawing different graphics, respectively, and real data to be substituted for each variable in said variable programs, said server computer comprises a variable program storage section for storing said plurality of variable programs; and a read data storage section for storing a plurality

4.

of said real data, said program data transmitting section reads a predetermined variable program from said variable program storage section according to a request from said client computer, and reads predetermined real data from said real data storage section, and a computing section of said client computer substitutes said predetermined real data for each variable in said predetermined variable program, and executes the program, thereby producing graphic data.

3. A CAD system utilizing a network as claimed in claim 2, wherein said client computer comprises a graphic name list display control section for displaying on a display unit a list of graphic names; the control section being capable of receiving the provision of base data of graphic data from said server computer; and a selected graphic name transmitting section for transmitting to said server computer a name of a graphic selected from a list of said graphic names, said program data transmitting section in said server computer reads said predetermined variable program and said predetermined real data based on the name of the graphic transmitted from said selected graphic name transmitting section.

4. A CAD system utilizing a network as claimed in claim 1 or claim 2, wherein said server computer comprises a parts data list storage section for storing a group of parts code number and said real data corresponding to each code number for a respective one of parts enabling graphic display, said program

£.

data transmitting section transmits to said client computer parts data list containing a code number and real data according to a request from said client computer, said client computer comprises a code number list display control section for producing a parts code number list from said transmitted parts data list, thereby displaying the list on said graphic display unit, said computing section substitutes real data on parts corresponding a name of parts code number selected from said displayed parts code number list for each variable in the variable program corresponding to the name of said graphic, thereby producing graphic data.

5. A CAD system utilizing a network as claimed in claim 4, wherein, in the case where part or whole of the real data corresponding to parts code number selected from said parts code number list in said client computer is input data inputted from a user, said computing section in said client computer substitutes said read data read from said parts data list storage section and said input data for each variable in said corresponding variable program, thereby producing graphic data.

6. A CAD system utilizing a network as claimed in any of claims 1 to 5, wherein said client computer has a data format name selection function capable of selecting a data format name of CAD software, and said CAD graphic data producing section converts a format of the graphic data produced by said computing

section, and the CAD graphic data of said selected data format is produced.

7. A CAD system utilizing a network as claimed in any of claims 1 to 6, characterized in that said CAD system comprises a parts database management program for managing parts data in said program data transmitting section in said server computer.